

REPORT OF WELDING HELMET TESTING
ANSI Z87.1-1989

TESTED FOR:

PROJECT: ---

DATE: May 4, 1995

OUR REPORT NO.: 828-56094, PHY-50769

Sample Description: WH-701, Welding Helmet

<u>TEST DESCRIPTION</u>	<u>ANSI PARA.</u>	<u>TEST DATA</u>	<u>RESULTS</u>	
Helmets with				
Removable Lenses	11.2			
Headgear Tests	11.2.1			
High Mass Impact	11.2.1.1			
(17.6 oz. at 51.2")				
Sample A		No Orbital Contact	PASS	
Sample B		No Orbital Contact	PASS	
Sample C		No Orbital Contact	PASS	
Sample D		No Orbital Contact	PASS	
High Velocity Impact	11.2.1.2			
(0.250" Ball at 150 fps)				
		<u>Left Eye</u>	<u>Right Eye</u>	
15° Nasal Side		No Orb. Cont.	No Orb. Cont.	PASS
0°		No Orb. Cont.	No Orb. Cont.	PASS
15° Temporal Side		No Orb. Cont.	No Orb. Cont.	PASS
30° Temporal Side		No Orb. Cont.	No Orb. Cont.	PASS
45° Temporal Side		No Orb. Cont.	No Orb. Cont.	PASS
60° Temporal Side		No Orb. Cont.	No Orb. Cont.	PASS
75° Temporal Side		No Orb. Cont.	No Orb. Cont.	PASS
90° Temporal Side		No Orb. Cont.	No Orb. Cont.	PASS
90° 10mm High		No Orb. Cont.	No Orb. Cont.	PASS
90° 10mm Low		No Orb. Cont.	No Orb. Cont.	PASS
Transmittance	11.4.3 Table 1			
VIS: (Less than 0.00016%)		0.00001%	PASS	
Near UV: (Less than VIS/10)		0.00%	PASS	
Far UV: (Less than 0.0001%)		0.00%	PASS	
IR: (Less than 0.3%)		0.00%	PASS	
Blue: (Less than VIS)		0.00%	PASS	
Flammability Test	11.5			
(Less than 3"/Min.)		0.66"/Min.	PASS	
Corrosion Res.	11.6		N/A	
Cleanability	11.7	No Impairment	PASS	
Markings	11.11			
"Z87"		Present	PASS	
Manufacturer TM		Present	PASS	



Professional Service Industries, Inc.

REPORT OF SAFETY EYEWEAR TESTING

TESTED FOR:

OPTECH

PROJECT: ---

DATE: May 4, 1995

OUR REPORT NO.: 828-56094, PHY-50769

PSI/PITTSBURGH TESTING LABORATORY, Physical Testing Department received one(1) welding goggle model and one(1) welding helmet model.

The samples were submitted for testing in accordance with ANSI Z87.1-1989, Section 10 and 11 respectively.

The results of the testing as performed were found to be unsatisfactory for the goggle and satisfactory for the helmet as indicated in the attached report.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'C. J. ...', is written over a horizontal line.

Manager, Physical Testing Department